

May 31, 2023

City of Columbus, Department of Public Utilities
Attn: Greg Fedner, P.E.,
Section Manager, Private Development
910 Dublin Road
Columbus, Ohio 43215

Subject: Variance for Advanced Materials Corridor - CC 18084

Dear Mr. Fedner,

We are requesting a Type II variance to the Stormwater Drainage Manual, Section 2.3.2.2 Storm Sewer Hydraulic Requirement (Pipe Sizing Criteria / Storm Sewer Layout Requirements). The project is known as the Ohio State Advanced Materials Corridor - CC 18084 and is located along the south side of Woodruff Avenue between Tuttle Park Pl. and College Ave. within the City of Columbus. We request approval to use a 6" diameter storm sewer in lieu of the required 8" diameter storm sewer. The site is developed with a newly renovated Material Sciences building and the formerly attached Watts Hall has been demolished. The stormwater will be controlled via an underground detention facility per the recommendation of the City of Columbus and can be viewed on approved plan CC-18084, with overall layout of the site on Exhibit 1. Options are provided in accordance with the City of Columbus Stormwater Manual.

The Preferred Plan can be seen in Exhibit 2. The Preferred option proposes utilizing a 6" outlet pipe from the private onsite system and connecting to the 12" storm into the underground system. The site storm system is controlled via an orifice plate into the detention pipe. The 6" pipe is capable of carrying the allowable release flows from the restricted site release. The 6" pipe would be installed with minimal clearance down to the existing water line.

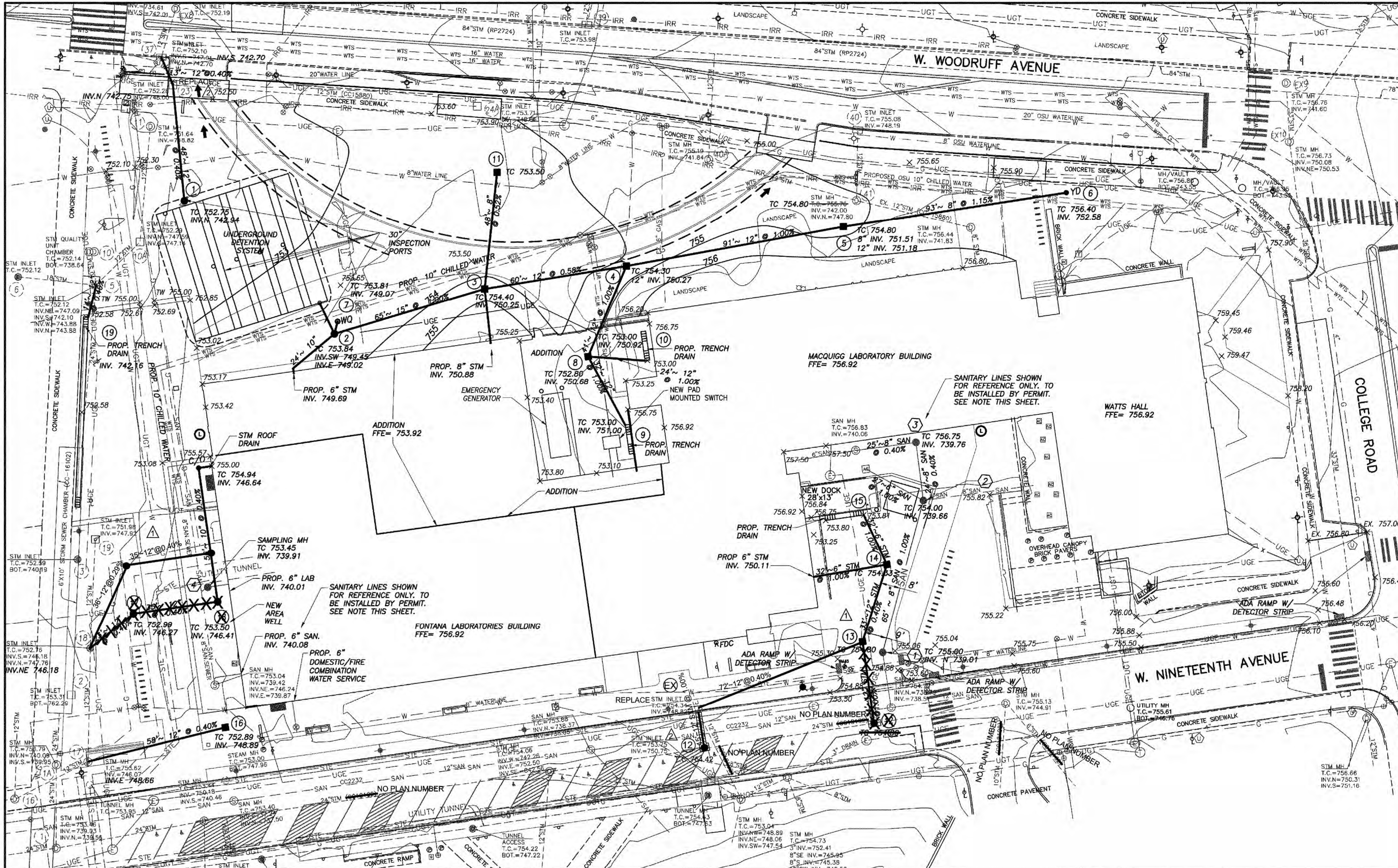
The Alternative plan is the approved CC-18084 plan in Exhibit 1 which utilizes a 8" storm sewer but is unable to be physically constructed due to the existing located underground utilities. This option is no longer a viable option in its intended state. To construct the originally approved plan a utility relocation would be required. This would involve lowering the existing water main, removing a new tree and cutting the newly paved service drive. Relocation of the utility will add an unexpected cost to the project.

If you have any questions or need further clarity please do not hesitate to give me a call at 614-904-3329.

Thank you for your consideration on this matter.

Sincerely,





LEGEND

PERMANENT PAVEMENT REPLACEMENT PER STD DWG 1441

EXISTING SEWER TO BE REMOVED

GREATER THAN 100 YR. FLOOD ROUTING PATH

YD= AA-S130 (12" DIAM. CB)

* NOTE: SEE SHEET 6 FOR STORM SEWER MANHOLE COORDINATE TABLE AND STORM SEWER ALIGNMENT TABLE.

SANITARY SEWER NOTE

Connection to sanitary sewer cannot be made without obtaining a permit from the DPU Permit Office at 111 North Front Street, 1st Floor, (614) 645-7490. Sanitary services and other utility connections are shown on this plan for reference only. Approval of these drawings does not constitute approval of the sanitary service, its location, or any other non-storm water utilities.

EASEMENT REFERENCE		REVISIONS	
CITY NO.	COUNTY RECORDER	NO.	DESCRIPTION
	VOL. PAGE		APPROVAL/DATE
		1	DELETE MH 12 AND 12" PIPE BETWEEN MH 12 & CB 13. CONNECT CB 13 TO EX CURB INLET WITH 72' OF 12" PIPE. MOVE MH 17 & 18 NORTH.
		2	REPLACE EXISTING CURB INLET, ADD MH #12 TO CONNECT STORM SEWER TO EX. 24" STORM LINE IN W. 19TH AVE. REBUILD EX. INLET #23.

PLAN PREPARED BY:	
	300 SPRUCE STREET SUITE 200 COLUMBUS, OHIO 43215 P: 614 280 8999 MOODY-ENG.COM

PROJECT TITLE:	
PRIVATE STORM SEWER FOR OHIO STATE ADVANCED MATERIALS CORRIDOR 140 WEST 19TH AVENUE	

CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE	
DIVISION USE ONLY	
OWNER	CONTRACTOR
INSPECTOR	INSPECTOR
AGREEMENT	COMPLETED
RPD	CKD
CID	CON.DR.
INDEX DETAIL	RECORD FILE

STORM SEWER PLAN	
SCALE: 1" = 20'	
SHEET 4/10	
CONTRACT DRAWING NO. CC-18084	
RECORD PLAN NO.	

EASEMENT REFERENCE	
CITY NO.	COUNTY RECORDER
VOL.	PAGE
GRANTOR	



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		3	REMOVE 12" PIPE FROM MH1 TO CB23 AND CB23 TO EX CB37. ADD 12" PIPE FROM MH1 TO EX CB37. CHANGE 8" PIPE FROM CB3 TO CB11 TO 6". DELETE YD6 AND 12" PIPE FROM CB5.

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